



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Esperienze di Anatomia Radiologica e Funzionale

2223-5-H4101D240

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#### Aims

Provide students with the tools for a correct interpretation of the anatomical structures on images acquired with tomographic radiologic and nuclear medicine techniques such as CT, MRI and PET.

#### Contents

Experience of studying the human anatomy based on tomographic imaging techniques such as X-ray Computed Tomography - CT, Magnetic Resonance Imaging - MRI and Positron Emission Tomography - PET.

#### Detailed program

Overview on morphological and functional imaging instrumentation and relative software for integration of biomedical images.

Radiological anatomy using anatomical imaging interpretation of CT and MRI.

Registration and integration of tomographic morphological CT and

MRI imaging with functional PET

imaging.

Use of computerized imaging morphologic atlas.

## **Prerequisites**

Medical Students at the 5th year and over

## **Teaching form**

Activity will take place in 3 meetings: 2 lectures meetings and 1 interactive teaching activities in the last meeting.

Modality of meetings will based depending on the pandemic containments measures that will be in place in may 2021, and could also be carried out remotely both for the first two meetings (synchronous or asynchronous) and for the last interactive activity.

## **Textbook and teaching resource**

Slides of the lectures.

Radiologic anatomical body atlases from [www](http://www) (delivered to students during the lessons)

## **Semester**

II Semester

## **Assessment method**

Frequency and interactive final test on interpretation of the morphological CT and MRI and functional PET images.

## **Office hours**

By appointment previews mail contact

## Sustainable Development Goals

GOOD HEALTH AND WELL-BEING | QUALITY EDUCATION | GENDER EQUALITY

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